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This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Three times amended) A system with at least one sensor for detecting the presence of moisture, comprising:

~~at least one electronic sensor having an inactive state and an activated state, said at least one sensor being arranged to detect the presence of moisture when in the activated state, said at least one sensor comprising a resonant circuit having a resonance frequency and being at least partly formed from a moisture sensitive material having an electrical resistance which increases when in contact with moisture,~~ comprising:

a) transmitter-receiver means for generating an electromagnetic interrogation field comprising at least one frequency component corresponding to the resonance frequency of said resonance circuit and being structured and arranged relative to said at least one sensor such that the electromagnetic interrogation field generated by said transmitter-receiver means is wirelessly propagated;

b) said at least one sensor being arranged to be wirelessly activated by an said electromagnetic interrogation field when present in the electromagnetic interrogation field to generate a response to the electromagnetic interrogation field; ~~and~~

~~at least one reading device for obtaining information from,~~

c) said transmitter-receiver means being structured and arranged relative to said at least one sensor such that said response of said at least one sensor about the presence of moisture;

~~is wirelessly received by said at least one transmitter-receiver means, and~~

d) a reading device comprising a said transmitter-receiver device structured and arranged to generate an electromagnetic interrogation field and record the means for recording said

response of said at least one sensor to the electromagnetic interrogation field to obtain information about the presence of moisture at said at least one sensor;

~~said transmitter-receiver device comprising at least one frequency component corresponding to the resonance frequency of said resonant circuit;~~

~~— said transmitter-receiver device being structured and arranged relative to said at least one sensor such that the electromagnetic interrogation field generated by said transmitter-receiver device is wirelessly propagated and wirelessly activates said at least one sensor to generate a response to the electronic interrogation field and the response of said at least one sensor is wirelessly received by said transmitter-receiver device.~~

2. (Previously amended) A system according to claim 1, wherein said moisture sensitive material is included in said resonant circuit such that the Q factor of said resonant circuit decreases when the resistance of said moisture sensitive material increases.

3. (Previously amended) A system according to claim 1, wherein said moisture sensitive material is included in said resonant circuit such that the Q factor of said resonant circuit increases when the resistance of said moisture sensitive material increases.

4. (Previously amended) A system according to claim 1, wherein said resonant circuit comprises an LC circuit.

5. (Previously amended) A system according to claim 4, wherein at least a portion of said LC circuit is made from the moisture sensitive material.

6. (Previously amended) A system according to claim 1, wherein the moisture sensitive material comprises a binding agent including particles capable of swelling in moisture and electrically conductive particles.

7. (Previously amended) A system according to claim 1, wherein the moisture sensitive material comprises a binding agent capable of swelling in moisture and containing electrically conductive particles.

8. (Previously amended) A system according to claim 1, wherein the moisture sensitive material is arranged on a carrier material in the form of a coating.

9. (Previously amended) A system according to claim 4, wherein at least part of the LC circuit is formed by a coating.

10. (Previously amended) A system according to claim 1; wherein said transmitter-receiver device is designed as a transmission system for detecting an electromagnetic response signal generated by said at least one sensor in response to the electromagnetic interrogation field.

11. (Previously amended) A system according to claim 10, wherein said at least one reading device determines on the basis of the intensity of the detected response signal to what extent said at least one sensor is in contact with moisture.

12. (Previously amended) A system according to claim 2, wherein said at least one reading device comprises a threshold circuit arranged to determine whether the detected intensity is below a predetermined value.

13. (Previously amended) A system according to claim 1, wherein said transmitter-receiver device is designed as an absorption system for detecting energy absorbed from the interrogation field by said at least one sensor in response to the electromagnetic interrogation field.

14. (Previously amended) A system according to claim 13, wherein said at least one reading device determines on the basis of the amount of energy absorbed by said at least one sensor the extent to which said at least one sensor is in contact with moisture.

15. (Previously amended) A system according to claim 2, wherein said at least one reading device comprises a threshold circuit arranged to determine whether the amount of energy

absorbed is below a predetermined value.

16. (Previously amended) A system according to claim 1, wherein said at least one reading device generates an alarm signal when moisture is detected by means of said at least one sensor.

17. (Previously amended) A system according to claim 1, wherein said at least one sensor comprises a microprocessor connected with the resonant circuit and in which an identification code is stored, which identification code is passes to the resonant circuit when the resonant circuit is resonated by the electromagnetic interrogation field, and said at least one reading device being arranged to read the identification code by means of the electromagnetic interrogation field.

18. (Currently amended) A system according to claim 1, the system further comprises a central control unit which is, ~~optionally~~ wirelessly; connected with said at least one reading device for obtaining information about the presence of moisture at said at least one sensor.

19. (Previously amended) A sensor for detecting the presence of moisture, comprising:
a resonant circuit having a resonance frequency and being at least partly formed from a moisture sensitive material having an electrical resistance which increases when in contact with moisture, the moisture sensitive material being arranged on a carrier material in the form of a coating, at least part of said circuit being formed by said coating,

said sensor being arranged to be wirelessly activated by an electromagnetic interrogation field when present in the electromagnetic interrogation field to cause the resonant circuit to start to resonate and thereby generate a response to the electromagnetic interrogation field,

said sensor having an inactive state when said resonant circuit does not resonate and an activated state when said resonant circuit resonates whereby said sensor detects the presence of moisture when in the activated state.

20. (Previously added) A system according to claim 4, wherein the entirety of said LC circuit is made from the moisture sensitive material.

21. (Previously added) A sensor for detecting the presence of moisture, comprising:
a resonant circuit having a resonance frequency and being at least partly formed from a moisture sensitive material having an electrical resistance which increases when in contact with moisture,

said at least one sensor comprising a microprocessor connected with said resonant circuit and in which an identification code is stored, the identification code being passed to said resonant circuit when said resonant circuit is resonated by an electromagnetic interrogation field.